

-Poster Session-

Held online, March 4, 2021

**P01 Half-Magnetic Topological Insulator with Magnetization-Induced Dirac Gap at a Selected Surface**

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**P02S Observation of spin-momentum-layer locking in a centrosymmetric crystal**

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**P03S Low-energy electron-boson coupling in Sr<sub>2</sub>RuO<sub>4</sub>**

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**P04S Optimization of self-energy in high-T<sub>c</sub> cuprate superconductor La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4</sub>**

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**P05S Gap inhomogeneity in Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+δ</sub> revealed by laser micro-ARPES**

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**P06 Characterization of sp<sup>3</sup> content in amorphous carbon films**

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**P07 Current activities of research and education on BL-5 (FY2020)**

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- P08**    **Origins of Thermal Spin Depolarization in Half-Metallic Ferromagnet CrO<sub>2</sub>**  
H. Fujiwara<sup>1</sup>, K. Terashima<sup>2</sup>, M. Sunagawa<sup>1</sup>, Y. Yano<sup>1</sup>, T. Nagayama<sup>1</sup>,  
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- P09**    **Electronic Structures and Chemical Natures of Inhomogeneous Gd-TM (TM = Co, Ni, and Cu) Metallic Glasses**  
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- P10**    **ARPES study of the mechanically polished FeSi [001] surface**  
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- P11S**    **Electronic Structures of Antiferromagnet CeCoSi Revealed by VUV-ARPES**  
Y. Fukushima<sup>1</sup>, T. Yoshikawa<sup>2</sup>, T. Miyashita<sup>2</sup>, K. Shiraishi<sup>3</sup>, M. Arita<sup>4</sup>, K. Mitsumoto<sup>5</sup>, H. Tanida<sup>5</sup>, A. Kimura<sup>1,2,3</sup>  
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- P12S**    **ARPES study of antiferromagnetic Euln<sub>2</sub>As<sub>2</sub>**  
K. Shiraishi<sup>1</sup>, M. Novak<sup>2</sup>, T. Yoshikawa<sup>3</sup>, T. Kono<sup>3</sup>, S. Kumer<sup>4</sup>, K. Miyamoto<sup>4</sup>,  
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**P13S Spin-polarized band structures of Ga-rich Fe<sub>3</sub>Ga film as a promising material for high thermoelectric performance**

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**P14S Evaluation of The Self-healing Bio-assisted Cement-treated Clay With XAFS**

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**P15S Polarization dependent sulfur K-edge XAFS measurements of P3HT thin films for determination of film orientations with the improved sensitivity**

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**P16 Structure of a novel amorphous organic-inorganic hybrid tin cluster exhibiting nonlinear optical effects by low-energy XAFS measurements**

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**P17S Circular Dichroism Study of Magainin 2-Membrane Interaction: Evidence for  $\beta$ -Strand Formation upon Membrane Association**

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**P18S Study of Membrane-Bound Conformation and Pore Formation of Magainin2 using Vacuum-Ultraviolet Circular Dichroism Spectroscopy**

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**P19S Optical Activity Measurement of Amino Acid Films by Circular Dichroism Spectroscopy**

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- P20S Electronic Relaxation Process in Fluorinated Aromatic Monolayers Studied by Core-Excited Ion Desorption**  
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- P21S Comparison of soft X-ray absorption spectra of transition metal sulfate**  
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- P22S Soft X-ray polarization measurement and evaluation at HiSOR BL-13 using electron orbitally oriented samples.**  
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- P23S Inner shell excitation spectroscopy of gold nanoparticles coated with aromatic molecules**  
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- P24S Splitting of Dirac band on Cr<sub>2</sub>O<sub>3</sub>/Graphene/Ni(111)**  
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- P25S Antiferromagnetic interlayer coupling of Co/h-BN/Fe ultrathin multilayers studied by soft X-ray magnetic circular dichroism**  
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- P26S Growth mode and interface structure of Co ultrathin films evaporated on h-BN/Ni(111)**  
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- P27S High-resolution ARPES of heavily overdoped Bi2201: evaluation of coupling parameters**  
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**P28S Topological Surface State in Sb, Te, and Se Based Single Crystals**

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